

# Converting Colors

$Yxy(44.0742, 0.4419, 0.4071)$

Have a look what the booklet for  
Yxy(44.0742, 0.4419, 0.4071)  
contains.

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# **Color**

**Yxy(44.1642, 0.4417, 0.4074)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E6A45D
RGB	230, 164, 93
RGB Percent	90%, 64%, 36%
CMY	0.0981, 0.3568, 0.6353
CMYK	0.00, 0.29, 0.60, 0.10
HSL	31°, 73%, 63%
HSV	31°, 60%, 90%
XYZ	47.8825, 44.1642, 16.3583
YIQ	175.6400, 62.1270, -8.0890

# Conversions

## Conversions Part 2

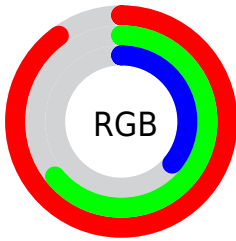
Format	Color
R <sub>Y</sub> B	220, 230, 93
Decimal	15115357
CIE Lab	72.34, 17.08, 45.99
CIE LCh	72, 49.054, 69.625
Yxy	44.1642, 0.4417, 0.4074
Android (android.graphics.Color)	4293305437 (0xFFE6A45D)
YUV	175.6400, -40.7415, 47.6737
Hunter-Lab	66.4562, 12.3132, 31.9250

# Details

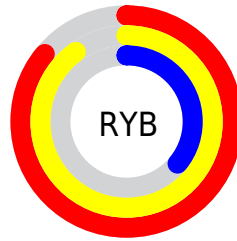
The Yxy color **44.1642, 0.4417, 0.4074** is a light color, and the websafe version is hex **CC9966**. The color can be described as light muted orange. A complement of this color would be **32.8329, 0.2173, 0.2287**, and the grayscale version is **43.4121, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.9674, 0.3918, 0.4043**, and **20.4207, 0.4751, 0.4214** is the 20% darker color. If you saturate the color by 10%, you get **40.0239, 0.4686, 0.4157**, and if you desaturate by 10%, it is **48.7768, 0.4152, 0.3961**.

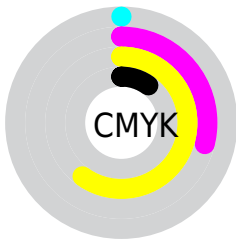
# Distribution



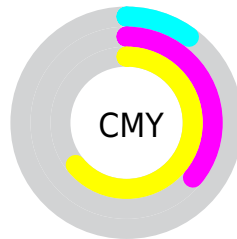
- Red (90%)
- Green (64%)
- Blue (36%)



- Red (86%)
- Yellow (90%)
- Blue (36%)



- Cyan (0%)
- Magenta (29%)
- Yellow (60%)
- Black (10%)




- Cyan (10%)
- Magenta (36%)
- Yellow (64%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.1642, 0.4417, 0.4074 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 44.1642, 0.4417, 0.4074 by changing the saturation by 10% instead.





 44.1642, 0.4417,  
0.4074


 44.1642, 0.4417,  
0.4074


363.3779, 0.3781,  
0.3724

 30.7996, 0.4565,  
0.4142


 81.4648, 0.4193,  
0.3960


 20.4463, 0.4745,  
0.4215


 106.1695, 0.4106,  
0.3913

 12.7199, 0.4965,  
0.4289

 135.4232, 0.4032,  
0.3872

 7.2359, 0.5238,  
0.4351

 169.6100, 0.3968,  
0.3836

 3.6101, 0.5608,  
0.4392

209.1146, 0.3912,  
0.3803

 1.4579, 0.5846,  
0.4154

254.3211, 0.3863,

 0.2588, 0.7192,

0.3774

0.2808

305.6141, 0.3820,  
0.3748

0.0000, 0.0000,  
0.0000

44.1642, 0.4417,  
0.4074

44.1642, 0.4417,  
0.4074

40.0239, 0.4686,  
0.4157

48.7768, 0.4152,  
0.3961

36.3293, 0.4943,  
0.4196

53.8735, 0.3901,  
0.3829

33.0599, 0.5173,  
0.4183

59.4738, 0.3671,  
0.3690

30.1840, 0.5365,  
0.4119

65.5935, 0.3464,  
0.3549

30.0651, 0.5373,  
0.4116

72.2479, 0.3281,  
0.3413

■ 79.4514, 0.3121,  
0.3285

■ 87.2178, 0.2980,  
0.3164

■ 94.0614, 0.2975,  
0.3266

■ 95.5615, 0.2976,  
0.3290

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.1642, 0.4495, 0.3560



44.1642, 0.4417, 0.4074



44.1642, 0.3981, 0.4471

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



44.1642, 0.4417, 0.4074



44.1642, 0.2175, 0.3440



44.1642, 0.2787, 0.2314

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



44.1642, 0.4417, 0.4074



32.8329, 0.2173, 0.2287

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



44.1642, 0.2250, 0.2220



44.1642, 0.4417, 0.4074



44.1642, 0.1929, 0.2776

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



44.1642, 0.4417, 0.4074



44.1642, 0.2683, 0.4153



44.1642, 0.1957, 0.2363



44.1642, 0.3488, 0.2607



# Rectangle

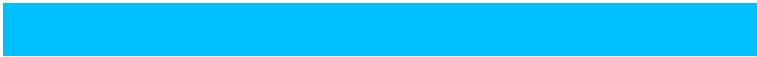
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



44.1642, 0.4417, 0.4074



44.1642, 0.3568, 0.4573



44.1642, 0.1957, 0.2363



44.1642, 0.2584, 0.2259

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



44.1664, 0.4417, 0.4074



84.0846, 0.3436, 0.3529



27.1624, 0.4045, 0.2566



17.4922, 0.3493, 0.3570



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



44.1664, 0.4417, 0.4074



49.6826, 0.4735, 0.4168



73.8251, 0.3952, 0.4692



15.5976, 0.3279, 0.3412



17.2691, 0.5350, 0.4134



1.4620, 0.5136, 0.4304



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



32.8329, 0.2173, 0.2287



34.2186, 0.2011, 0.2045



15.9914, 0.1984, 0.1382



15.0270, 0.2981, 0.3165



9.8867, 0.1756, 0.1521



0.9158, 0.1831, 0.1792



# Previews

## White Background



This preview shows how the Yxy color 44.1642, 0.4417, 0.4074 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

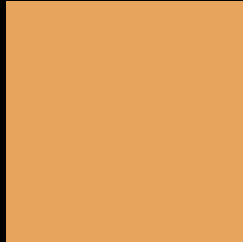
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.1642, 0.4417, 0.4074 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

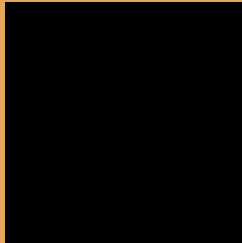
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 44.1642, 0.4417, 0.4074**

## **Background**



This preview shows how black text looks on a background with the Yxy color 44.1642, 0.4417, 0.4074.



This preview shows how white text looks on a background with the Yxy color 44.1642, 0.4417, 0.4074.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

44.1642, 0.4417, 0.4074

### Protanopia

44.3247, 0.3948, 0.4307

### Deuteranopia

44.0541, 0.4275, 0.4182



## Tritanopia

44.0656, 0.3817, 0.3156

# Trichromacy



**Original Color**

44.1642, 0.4417, 0.4074

**Protanomaly**

44.1416, 0.4120, 0.4223

**Deuteranomaly**

43.9397, 0.4328, 0.4145

**Tritanomaly**

43.8396, 0.4061, 0.3498

# Monochromacy



**Original Color**

44.1642, 0.4417, 0.4074

**Achromatopsia**

43.4154, 0.3127, 0.3290

**Achromatomaly**

43.3161, 0.3579, 0.3630

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  44.1642, 0.4417, 0.4074 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(230, 164, 93)` looks like.

```
.text, #text, p{  
    color:rgb(230, 164, 93)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(230, 164, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 164, 93) }
```

## Border

The CSS property to change the border of an element to Yxy 44.1642, 0.4417, 0.4074 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(230, 164, 93) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(230, 164, 93) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(230, 164, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 164, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 164, 93);  
box-shadow:4px 4px 4px 4px rgb(230, 164,  
93) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.1642, 0.4417, 0.4074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 164, 93) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(230,  
164, 93) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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